Hybrid Initialization

Problem/Description:

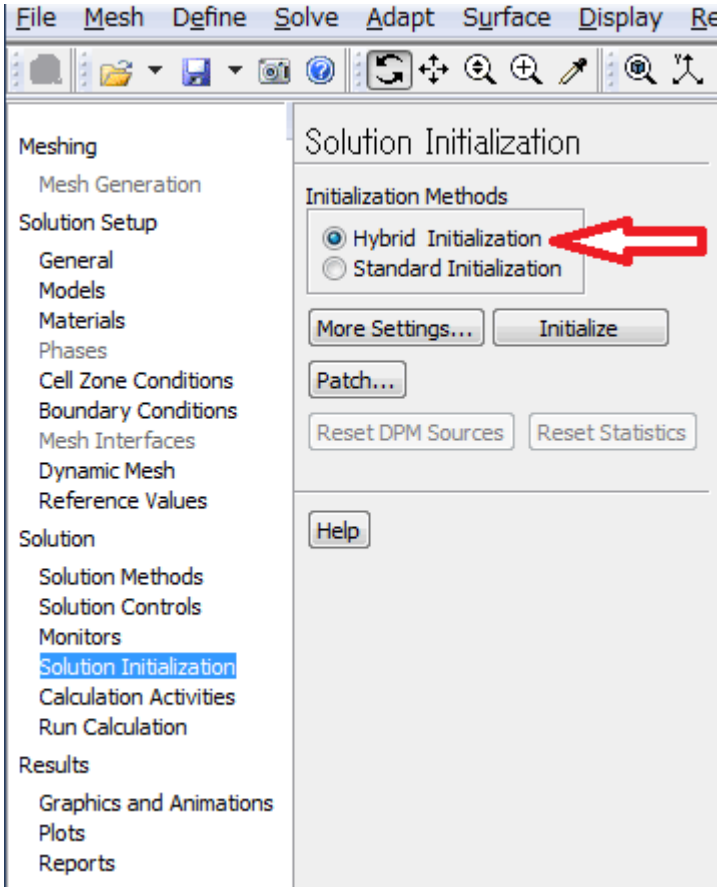
How does hybrid initialization work? Why is initialization necessary?

Solution:

In Fluent 13, a new initialization method called "hybrid initialization" has been added.

Initialization is required to specify initial values when performing a numerical calculation, but the initial value must be appropriate to improve the computational stability and convergence. Therefore, multiple initialization methods are available in Fluent but the "hybrid Initialization" feature can set an appropriate initial value by using the velocity potential.

For this configuration, enable "hybrid Initialization" as seen in the Figure below. There are more options available with this method. Please refer to the attached document for more information.



Note: The temperature cannot be initialized in hybrid initialization (explained in the attachment). For this reason, this method of initializing should not be used for compressible fluid analysis.

Attachment:

1. 2041752_supp.pdf